Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/09/2018 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123407	-2	1.01	123480	1.00
Blue	F	SSC	125000	124986	-1	1.74	125731	1.72
Blue	E	FITC	16596	16249	-3	2.87	352	21.00
Blue	D	PE	29392	28547	-3	1.89	622	15.87
Blue	B	PerCP-Cy5-5	38531	38127	-2	4.09	1164	21.98
Blue	A	PE-Cy7	26351	26047	-2	7.34	634	43.52
Red	C	APC	43035	41947	-3	2.71	1579	13.23
Red	A	APC-Cy7	25611	25219	-2	2.83	866	12.68
Violet	B	V450	8803	8568	-3	4.03	472	14.01
Violet	A	V500	32560	31837	-3	3.68	739	10.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20461	3.00	604	7	N/A	N/A	Pass
Blue	F	SSC	56629	1.17	571	16	N/A	N/A	Pass
Blue	E	FITC	62	68.71	556	6	0.0178	164	Pass
Blue	D	PE	130	55.17	555	6	0.1484	323	Pass
Blue	B	PerCP-Cy5-5	224	52.09	658	7	0.0078	43	Pass
Blue	A	PE-Cy7	122	106.16	713	8	0.0096	19	Pass
Red	C	APC	369	27.80	601	4	0.0202	115	Pass
Red	A	APC-Cy7	212	28.80	575	4	0.0051	1480	Pass
Violet	B	V450	74	63.23	480	5	0.0460	2023	Pass
Violet	A	V500	111	33.43	490	6	0.0194	460	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.73	-32.34	1.09
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	17.14	13.60 - 20.40	N/A	N/A	29.56	29.96	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13726

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments